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(54) METHOD OF STRENGTHENING ANTITUMOR ACTIVITY OF CRUDE DRUG, COMPOSITION CONTAINING CRUDE DRUG FOR STRENGTHENING ANTITUMOR ACTIVITY, METHOD OF EVALUATING ANTITUMOR EFFECTIVITY TREATED BY CRUDE DRUG AND METHOD OF EVALUATING ANTITUMOR EFFECTIVITY OF CRUD DRUG

(57)Abstract:

PROBLEM TO BE SOLVED: To permit the effective expression of the antitumor activity of crude drugs, e.g. mushrooms or the like, containing antitumor active polysaccharides, e.g. β -glucan and the like, and to permit the evaluative estimate without clinical test on the effectivity of the antitumor activity of these drugs on internal use.

SOLUTION: The antitumor activity is strengthened by roasting mushrooms containing β -glucan brown by far-infrared rays, adding Koji to this to ferment and further changing it into an oil agent. The evaluative estimate is carried out by the fact that mushrooms showing a large increase proportion in the formation amount of lipoperoxides based on the increase proportion of the concentration of the mushrooms exert increased antitumor activity when the mushrooms of which the antitumor effect is desirable to be confirmed are added into the system forming lipoperoxides by irradiating ultraviolet rays to docosahexaenoic acid.

LEGAL STATUS

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